General information	
Product type designation	TP1500 Comfort
Display	
Design of display	TFT
Screen diagonal	15.4 in
Display width	331.2 mm
Display height	207 mm
Number of colors	16 777 216
Resolution (pixels)	
Horizontal image resolution	1 280 Pixel
<ul> <li>Vertical image resolution</li> </ul>	800 Pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard fonts	
• Function keys	
<ul> <li>Number of function keys</li> </ul>	0
<ul> <li>Number of function keys with LEDs</li> </ul>	0
• Keys with LED	No
• System keys	No
Numeric keyboard	Yes; Onscreen keyboard
• alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
• Design as touch screen	Yes
Expansions for operator control of the process	
• Direct keys (touch buttons as S7 input I/O)	40
-	
• Direct keys (touch buttons as S7 input I/O)	
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> <li>Installation type/mounting</li> </ul>	40
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> <li>Installation type/mounting</li> <li>Mounting position</li> </ul>	40 vertical
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> <li>Installation type/mounting</li> <li>Mounting position</li> <li>Mounting in portrait format possible</li> </ul>	40 vertical Yes
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without     </li> </ul>	40 vertical Yes Yes
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation     </li> </ul>	40 vertical Yes Yes
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage     </li> </ul>	40 vertical Yes Yes 35°
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage         Type of supply voltage     </li> </ul>	40 vertical Yes Yes 35°  DC
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage         Type of supply voltage         Rated value (DC)     </li> </ul>	40 vertical Yes Yes 35°  DC 24 V
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage         Type of supply voltage         Rated value (DC)         permissible range, lower limit (DC)     </li> </ul>	40  vertical Yes Yes  35°  DC 24 V 19.2 V
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage         Type of supply voltage         Rated value (DC)         permissible range, lower limit (DC)         permissible range, upper limit (DC)     </li> </ul>	40  vertical Yes Yes  35°  DC 24 V 19.2 V
<ul> <li>Direct keys (touch buttons as S7 input I/O)         Installation type/mounting         Mounting position         Mounting in portrait format possible         Mounting in landscape format possible         maximum permissible angle of inclination without external ventilation         Supply voltage         Type of supply voltage         Rated value (DC)         permissible range, lower limit (DC)         Input current     </li> </ul>	40  vertical Yes Yes 35°  DC 24 V 19.2 V 28.8 V

Power	
Active power input, typ.	41 W
Processor	
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	24 Mbyte
Type of output	-
Info LED	No
Power LED	No
Error LED	No
Acoustics	
• Buzzer	No
• Speaker	Yes
Time of day	
Clock	
• Hardware clock (real-time)	Yes
Software clock	Yes
• retentive	Yes; Back-up duration typically 6 weeks
• synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	2; 2 ports (switch) + independent port
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	0; together with RS 485
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
• Industrial Ethernet status LED	3
Number of ports of the integrated switch	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes
PROFIBUS	Yes
MPI	Yes

Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes
• XML	Yes
• CSS	Yes
• Active X	Yes
• JavaScript	Yes
• Java VM	No
Redundancy mode	
• MRP	Yes
Further protocols	
• CAN	No
• EtherNet/IP	Yes
• MODBUS	Yes
T (3)	
Interrupts/diagnostics/status information Diagnostic messages	
<ul><li>Interrupts/diagnostics/status information</li><li>Diagnostic messages</li><li>Diagnostic information readable</li></ul>	Yes; S7 controller
Diagnostic messages	Yes; S7 controller
Diagnostic messages  ● Diagnostic information readable	Yes; S7 controller
<ul><li>Diagnostic messages</li><li>Diagnostic information readable</li><li>EMC</li></ul>	Yes; S7 controller Yes
Diagnostic messages  • Diagnostic information readable  EMC  Emission of radio interference acc. to EN 55 011	
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> </ul>	Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> </ul>	Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> </ul>	Yes No
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> </ul>	Yes No IP65
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> </ul>	Yes No IP65 Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> </ul>	Yes No IP65 Yes Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>IP (rear)</li> </ul>	Yes No IP65 Yes Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> </ul>	Yes No IP65 Yes Yes IP20
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> <li>CE mark</li> </ul>	Yes No IP65 Yes Yes IP20 Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> <li>CE mark</li> <li>cULus</li> </ul>	Yes No IP65 Yes Yes IP20 Yes Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> <li>CE mark</li> <li>cULus</li> <li>RCM (formerly C-TICK)</li> <li>KC approval</li> <li>EAC (formerly Gost-R)</li> </ul>	Yes No IP65 Yes Yes IP20 Yes Yes Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> <li>CE mark</li> <li>CULus</li> <li>RCM (formerly C-TICK)</li> <li>KC approval</li> <li>EAC (formerly Gost-R)</li> <li>Use in hazardous areas</li> </ul>	Yes No IP65 Yes Yes IP20 Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>Diagnostic messages</li> <li>Diagnostic information readable</li> <li>EMC</li> <li>Emission of radio interference acc. to EN 55 011</li> <li>Limit class A, for use in industrial areas</li> <li>Limit class B, for use in residential areas</li> <li>Degree and class of protection</li> <li>IP (at the front)</li> <li>Enclosure Type 4 at the front</li> <li>Enclosure Type 4x at the front</li> <li>IP (rear)</li> <li>Standards, approvals, certificates</li> <li>CE mark</li> <li>cULus</li> <li>RCM (formerly C-TICK)</li> <li>KC approval</li> <li>EAC (formerly Gost-R)</li> </ul>	Yes No IP65 Yes Yes IP20 Yes Yes Yes Yes Yes

• IECEx Zone 2	No
• IECEx Zone 22	No
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	Yes; For inscription on device rating plate
• cULus Class II Division 2	No; Available soon
• FM Class I Division 2	
• FM Class II Division 2	Yes; For inscription on device rating plate No; Available soon
Marine approval	ivo, Available sooii
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Korean Register of Shipping (KRS)	No
• Lloyds Register of Shipping (LRS)	No
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
Polski Rejestr Statkow (PRS)	No
<ul> <li>Chinese Classification Society (CCS)</li> </ul>	No
Ambient conditions	140
Suited for indoor use	Yes
Suited for indoor use	No
Ambient temperature during operation	140
Operation (vertical installation)	
— For vertical installation, min.	0 °C
— For vertical installation, max.	50 °C; (55 °C, see entry ID: 64847814)
• Operation (max. tilt angle)	,
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, min.	40 °C
<ul> <li>Operation (vertical installation, portrait format)</li> </ul>	
— For vertical installation, min.	0 °C
— For vertical installation, max.	40 °C
<ul> <li>Operation (max. tilt angle, portrait format)</li> </ul>	
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, min.	40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	90 %; no condensation
Operating systems	
proprietary	No
pre-installed operating system	

• Windows CE	Yes; Windows Embedded Compact 2013
Configuration	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	
• STEP 7 Basic (TIA Portal)	No
<ul> <li>STEP 7 Professional (TIA Portal)</li> </ul>	No
<ul> <li>WinCC flexible Compact</li> </ul>	No
<ul> <li>WinCC flexible Standard</li> </ul>	No
WinCC flexible Advanced	No
<ul> <li>WinCC Basic (TIA Portal)</li> </ul>	No
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; V14 SP1 HSP and higher
• WinCC Advanced (TIA Portal)	Yes; V14 SP1 HSP and higher
WinCC Professional (TIA Portal)	Yes; V14 SP1 HSP and higher
Languages	<u> </u>
Online languages	
<ul> <li>Number of online/runtime languages</li> </ul>	32
Project languages	
<ul> <li>Languages per project</li> </ul>	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
<ul> <li>Web browser</li> </ul>	Yes
Pocket Word	Yes
Pocket Excel	Yes
• PDF Viewer	Yes
Media Player	Yes
<ul> <li>SIMATIC WinCC Sm@rtServer</li> </ul>	Yes
• SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes
• task-controlled	Yes
Help system	
<ul> <li>Number of characters per info text</li> </ul>	320
Message system	
Number of alarm classes	32
Bit messages	

— Number of bit messages	6 000
Analog messages	
— Number of analog messages	200
• S7 alarm number procedure	Yes
System messages HMI	Yes
• System messages, other (SIMATIC S7,	V
Sinumerik, Simotion, etc.)	Yes
<ul> <li>Number of characters per message</li> </ul>	80
<ul> <li>Number of process values per message</li> </ul>	8
<ul> <li>Acknowledgment groups</li> </ul>	Yes
Message indicator	Yes
Message buffer	
— Number of entries	1 024
— Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
<ul> <li>Number of recipes</li> </ul>	500
<ul> <li>Data records per recipe</li> </ul>	1 000
• Entries per data record	2 000
<ul> <li>Size of internal recipe memory</li> </ul>	4 Mbyte
Recipe memory expandable	Yes
Variables	
<ul> <li>Number of variables per device</li> </ul>	4 096
<ul> <li>Number of variables per screen</li> </ul>	400
• Limit values	Yes
<ul> <li>Multiplexing</li> </ul>	Yes
• Structures	Yes
• Arrays	Yes
Images	
Number of configurable images	750
Permanent window/default	Yes
• Global image	Yes
Pop-up images	Yes
• Slide-in images	Yes
<ul> <li>Image selection by PLC</li> </ul>	Yes
• Image number in the PLC	Yes
Image objects	600
Number of objects per image     Transfields	600 V-
• Text fields	Yes
• I/O fields	Yes

	••
• Graphic I/O fields (graphics list)	Yes
• Symbolic I/O fields (text list)	Yes
• Date/time fields	Yes
• Switches	Yes
• Buttons	Yes
• Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
• Number of complex objects per screen	40
• Alarm view	Yes
• Trend view	Yes
• User view	Yes
• Status/control	Yes
<ul><li>Sm@rtClient view</li></ul>	Yes
• Recipe view	Yes
• f(x) trend view	Yes
<ul> <li>System diagnostics view</li> </ul>	Yes
• Media Player	Yes
• HTML browser	Yes
• PDF display	Yes
• IP camera display	Yes
• Bar graphs	Yes
• Sliders	Yes
<ul> <li>Pointer instruments</li> </ul>	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
<ul> <li>Number of entries per text list</li> </ul>	500
<ul> <li>Number of graphics lists per project</li> </ul>	500
<ul> <li>Number of entries per graphics list</li> </ul>	500
Archiving	
<ul> <li>Number of archives per device</li> </ul>	50
<ul> <li>Number of entries per archive</li> </ul>	50 000
Message archive	Yes
<ul> <li>Process value archive</li> </ul>	Yes
<ul> <li>Archiving methods</li> </ul>	
— Sequential archive	Yes
— Short-term archive	Yes
Memory location	
— Memory card	Yes

— USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
<ul> <li>Number of user groups</li> </ul>	50
<ul> <li>Number of user rights</li> </ul>	32
<ul> <li>Number of users</li> </ul>	50
<ul> <li>Password export/import</li> </ul>	Yes
• SIMATIC Logon	Yes
Logging through printer	
• Alarms	Yes
• Report (shift log)	Yes
<ul><li>Hardcopy</li></ul>	Yes
• Electronic print to file	Yes; PDF, HTML
Character sets	
<ul> <li>Keyboard fonts</li> </ul>	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
• using external storage medium	Yes
Process coupling	<b>V</b> 7
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
• WinAC	Yes
• SINUMERIK	Yes; With SINUMERIK option package as from WinCC V15 or higher
• SIMOTION	Yes
<ul><li>Allen Bradley (EtherNet/IP)</li></ul>	Yes
• Allen Bradley (DF1)	Yes
<ul><li>Mitsubishi (MC TCP/IP)</li></ul>	Yes
• Mitsubishi (FX)	Yes
• OMRON (FINS TCP)	No
• OMRON (LINK/Multilink)	Yes
,	

<ul><li>Modicon (Modbus TCP/IP)</li></ul>	Yes
<ul><li>Modicon (Modbus)</li></ul>	Yes
• OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
<ul> <li>Backup/Restore manually</li> </ul>	Yes
<ul> <li>Backup/Restore automatically</li> </ul>	Yes
• Simulation	Yes
<ul> <li>Device switchover</li> </ul>	Yes
Peripherals/Options	
Peripherals	
• Printer	Yes
• SIMATIC HMI MM memory card: Multi Media Card	Yes; Up to 128 MB
• SIMATIC HMI SD memory card: Secure Digital memory card	Yes; Up to 2 GB
• SIMATIC HMI CF memory card Compact Flash Card	No
• USB memory	Yes
<ul><li>USB memory</li><li>SIMATIC IPC USB Flashdrive (USB stick)</li></ul>	Yes; Up to 16 GB
•	
• SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
<ul><li>SIMATIC IPC USB Flashdrive (USB stick)</li><li>SIMATIC HMI USB stick</li></ul>	Yes; Up to 16 GB Yes; Up to 8 GB
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera</li> <li>Mechanics/material</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera</li> <li>Mechanics/material</li> <li>Enclosure material (front)</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera</li> <li>Mechanics/material</li> <li>Enclosure material (front)</li> <li>Plastic</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel Dimensions</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel Dimensions Width of the housing front</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 415 mm
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel Dimensions Width of the housing front Height of housing front</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 415 mm 310 mm
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 415 mm 310 mm 396 mm
<ul> <li>SIMATIC IPC USB Flashdrive (USB stick)</li> <li>SIMATIC HMI USB stick</li> <li>Network camera Mechanics/material Enclosure material (front)</li> <li>Plastic</li> <li>Aluminum</li> <li>Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height</li> </ul>	Yes; Up to 16 GB Yes; Up to 8 GB Yes  No Yes No 415 mm 310 mm 396 mm 291 mm